

8. (Amended) The positively charged microporous membrane of claim 1 ~~or 2~~, wherein the crosslinked coating includes a copolymer ~~of comprising~~ diallylamine, ~~diallyldialkylammonium halide, an~~ acrylic monomer having a quaternary ammonium group, and a crosslinking agent.

9. (Amended) The positively charged microporous membrane of claim 1 ~~or 2~~, wherein the crosslinked coating includes an acrylic polymer having epoxy groups and pendant positively charged groups and a copolymer comprising a polyamine and a glycidyl compound having a positively charged group.

11. (Amended) The positively charged microporous membrane of ~~any of claims 1-10, claim~~ 1, wherein the positively charged group includes a quaternary ammonium ~~groups~~ group.

12. (Amended) The positively charged microporous membrane of ~~any of claims 1-10, claim 1~~, wherein the positively charged group is linked through a spacer group.

15. (Amended) The positively charged microporous membrane of claim 5 ~~or 6~~, wherein the diallylamine copolymer or acrylic copolymer includes a polymerized acrylic monomer.

20. (Amended) The positively charged microporous membrane of claim 8 ~~or 19~~, wherein the acrylic monomer is an acryloylaminoalkyl or acryloyloxyalkyl trialkylammonium halide.

24. The positively charged microporous membrane of claim ~~11, 10~~, wherein the positively charged group is linked to the polyethyleneimine through a reaction with a glycidyl compound having a positively charged group.

25. (Amended) The positively charged microporous membrane of claim 11 ~~or 24~~, wherein the coating is crosslinked through a reaction with a polyglycidyl compound.

26. (Amended) The positively charged microporous membrane of ~~any of claims 1-25, claim~~ 1, wherein the porous substrate comprises a substrate polymer.

31. (Amended) The positively charged microporous membrane of claim 29 ~~or 30~~, wherein the porous substrate is hydrophilic.

34. (Amended) The process of claim 32 ~~or 33~~, wherein the amine reactive compound is a glycidyl trialkylammonium halide.

40. The process of claim ~~33~~ 34, wherein the polyalkyleneamine comprises pentaethylenhexamine.

43. (Amended) A process for preparing a microporous membrane comprising a porous support and a diallylamine copolymer having pendant positively charged groups linked to the diallylamine copolymer through spacer groups, the process comprising:

- (a) providing a porous substrate;
- (b) contacting the substrate with a ~~composition copolymer~~ comprising a copolymer of a diallylamine, diallyl ~~dialkylammonium halide~~, an acrylic monomer having a ~~quaternary ammonium positively charged~~ group, and a crosslinking agent;
- (c) curing the substrate obtained in (b) to obtain the ~~positively charged microporous~~ membrane; and
- (d) optionally, extracting the membrane obtained in (c) to remove extractable residue therein.

45. (Amended) The process of claim 43 ~~or 44~~, wherein the acrylic monomer having a ~~quaternary ammonium positively charged~~ group is an acrylamide or acrylic ester having a ~~quaternary ammonium positively charged~~ group.

46. (Amended) A process for preparing a microporous membrane comprising a porous support and an acrylic polymer having pendant positively charged groups linked to the acrylic polymer:

- (a) providing a porous substrate;
- (b) contacting the substrate with a composition comprising an acrylic copolymer having pendant positively charged groups and epoxy groups and a polyalkyleneamine modified to have pendant positively charged groups;

- (c) curing the substrate obtained in (b) to obtain the ~~positively charged~~ microporous membrane; and
- (d) optionally, extracting the membrane obtained in (c) to remove extractable residue therein.

51. (Amended) The process of ~~any of claims 32, 43, 46, and 50,~~ claim 32, wherein the positively charged group is quaternary ammonium.

58. (Amended) The process of ~~any of claims 50 and 52-57,~~ claim 50, wherein the coating is crosslinked by a polyglycidyl compound.

60. (Amended) The process of ~~any of claims 32-59,~~ claim 32, wherein the extraction is carried out in water.

61. (Amended) The process of ~~any of claims 32-59,~~ claim 32, wherein the porous substrate is hydrophilic.

62. (Amended) The process of ~~any of claims 32-61,~~ claim 32, wherein the porous substrate comprises a polymer.

64. (Amended) The process of ~~claim 62,~~ claim 32, wherein the porous substrate comprises polysulfone.

65. (Amended) The membrane prepared by the process of ~~any of claims 32-64,~~ claim 32.

66. (Amended) A device comprising the positively charged microporous membrane of ~~any of claims 1-55 and 65,~~ claim 1.

67. (Amended) A process for separating negatively charged material from a fluid, the process comprising placing the fluid in contact with the positively charged microporous membrane of ~~any of claims 1-32 and 65,~~ claim 1 so as to adsorb or absorb the negatively charged material to the membrane.

70. (Amended) The process of claim 67, wherein the negatively charged ~~materials include~~  
material includes nucleic acids, endotoxins, host cell proteins, viruses, ~~and or~~ lipids.

72. (Amended) The process of claim 70, wherein the host cell protein is an antibody.

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